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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,864	02/16/2001	Gregory Bruening	020366-074900US	6331
22193	7590	12/15/2005	EXAMINER	
QWEST COMMUNICATIONS INTERNATIONAL INC LAW DEPT INTELLECTUAL PROPERTY GROUP 1801 CALIFORNIA STREET, SUITE 3800 DENVER, CO 80202			LE, KAREN L	
			ART UNIT	PAPER NUMBER
			2642	

DATE MAILED: 12/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/785,864

Applicant(s)

BRUENING ET AL.

Examiner

Karen L. Le

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10-03-05.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to applicant's response filed on October 3, 2005.

Claims 1-11, are now pending in the present application. **This action is made final.**

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zhang et al. (U. S. 6,505,163) in view of Wallenius et al (US 2002/0183041).

Regarding claims 1 Zhang teaches a method for routing calls in an Advanced Intelligent Network (Fig. 3, item10) including the steps of:

- a) Attempting a switched-based call-forward service (Fig. 3, item 76) from a subscriber line in a Service Switching Point (SSP) (Col. 11, lines 10-17);
- b) detecting a trigger in the SSP based upon said step a) (Col. 11, lines 31-32);
- c) suspending call processing based upon said step b) (Col. 11, lines 31-33);
- d) Zhang does not teach during said step c) determining whether the call forward should be permitted and e) inhibiting or permitting the call-forward based upon the determination in said step d). However, Wallenius teaches determining whether the call forward should be permitted and e) inhibiting or permitting the

call-forward based upon the determination in said step d (Page 1, paragraph 0003). Wallenius teaches in current telecommunication networks, a typical intelligent facility is conditional call forwarding which requires a call state analysis and call rerouting according to the stored service profile of the call forwarding. Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate Wallenius's feature to Zhang's system to forward call based on conditions stored on file. Call forwarding that requires stored service profile are old in telecommunication system.

Regarding claims 2 and 3, Zhang further teaches sending a message to an SCP during said step c) based upon said step b) (Col. 11, lines 31-33)

Regarding claims 4-6, and 8, Zhang does not teaches determining whether the forward-to number is a voicemail number, and determining whether to forward the call in said step d) based upon said determination in said step f). The step of preventing the call-forward in said step e) based upon the determination in said step f) that the forward-to number is a voicemail number. However, Wallenius teaches determining whether the forward-to number is a voicemail number, and determining whether to forward the call in said step d) based upon said determination in said step f). The step of preventing the call-forward in said step e) based upon the determination in said step f) that the forward-to number is a voicemail number (page 1, paragraph 0003). Again, conditional call forwarding is old and popular in telecommunication system.

Regarding claim 7, Zhang further teaches permitting the switch-based call forward in said step e) (Fig. 3, AIN 28 permits switch-base call forward LEC 76 in step e and Col. 11, lines 10-17).

Regarding claim 9, Zhang further teaches said trigger is an Off-hook Delay trigger caused by the switch's attempt to forward the call (Fig 3, the trigger of SSP belong to LEC 76 and col. 11, lines 11-16).

Regarding claim 10, Zhang further teaches forwarding the call to a second subscriber line (Fig. 3, forward to wireless 70).

Regarding claim 11, Zhang further teaches an Advanced Intelligent Network Service Switching Point (SSP) (Fig. 3, SCP 28 and Col. 11, lines 31-33)) including:

A plurality of specific digit strings including a first specific digit string (Fig. 3, telephone number 22) a plurality of subscriber lines (lines 22 and 70) each assigned one of said plurality of specific digit strings (Phone number or lines 22 and 70). Zhang does not teaches a trigger associated with said first specific digit string and activated by a call to the first specific digit string at the SSP, said SSP generating a request for a forwarding instruction based upon said trigger, and said SSP receiving said forwarding instruction and forwarding the call based upon the forwarding instruction. However, Wallenius teaches a trigger associated with said first specific digit string and activated by a call to the first specific digit string at the SSP, said SSP generating a request for a forwarding instruction based upon said trigger, and said SSP receiving said forwarding

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instruction and forwarding the call based upon the forwarding instruction (page 1, paragraph 5). Wallenius teaches SSP enquires instructions from SCP, interprets the instructions received and start the required call control function. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate Wallenius' feature into Zhang's system in order to provide conditional call forwarding in intelligent facility. The forwarding feature has been utilized by telecommunication network in the past.

Response to Arguments

4. Applicant's arguments filed on September 22, 2005 have been fully considered but they are not persuasive.

Applicant argues that Office Action does not cite a reference for the alleged motivation. However, motivation does not have to be in the reference. Thus, there is no need to express showing of documentary proof for alleged motivation.

All other arguments have been addressed in the previous sections.

Conclusion

5. **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen Le whose telephone number is 571-272-7487.

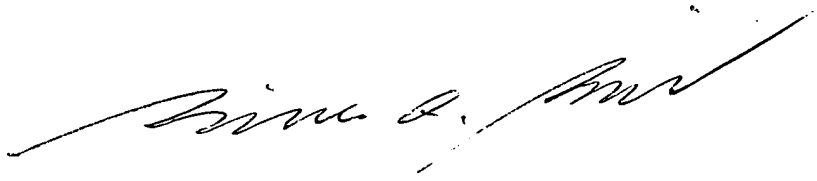
The examiner can normally be reached on 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on 571-272-7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Karen Le
KLL

December 8, 2005



BING Q. BUI
PRIMARY EXAMINER